

ACRONYMS AND ABBREVIATIONS

Commonly used acronyms and abbreviations are listed for the design bulletin to facilitate brevity where appropriate.

<u>Abbreviation</u>	<u>Meaning</u>
APHA	American Public Health Association
ASAP	As Soon As Possible
ASCE	American Society of Civil Engineers
ASME	American Society of Mechanical Engineers
ASTM	American Society of Testing and Materials
AWWA	American Water Works Association
BAT	Best Available Technology
BOR	Bureau of Reclamation
CFR	Code of Federal Regulations
COE	Corps of Engineers
CT	Concentration-Time Product
DAF	Dissolved Air Flotation
DBP	Disinfection By-Products
DWR	Division of Water Resources
DOT	Department of Transportation
G	Velocity Gradient
GAC	Granular Activated Carbon
GWUI	Groundwater Under the Direct Influence of Surface Water
HPC	Heterotrophic Plate Count
IOC	Inorganic Chemicals
KAR	Kansas Administrative Regulation
KBS	Kansas Biological Survey
KDHE	Kansas Department of Health and Environment
KDWP	Kansas Department of Wildlife and Parks
KGS	Kansas Geological Survey
KSA	Kansas Statutes Annotated
KWO	Kansas Water Office
KWRRI	Kansas Water Resources Research Institute
MCL	Maximum Contaminant Level
NRCS	Natural Resource Conservation Service (formerly, Soil Conservation Service)
NTU	Nephelometer Turbidity Unit
NA	Not Available or Not Applicable
NIOSH	National Institute of Occupational Safety and Health
NPSH	Net Positive Suction Head
NSF	National Sanitation Foundation
OD	Outside Diameter
O&M	Operation and Maintenance
OSHA	Occupational, Safety, and Health Act

PA	Permit Application
PAC	Powdered Activated Carbon
PDWS	Primary Drinking Water Standards
POE	Point of Entry
POU	Point of Use
P&S	Plans and Specifications
PVC	Polyvinyl Chloride
PWS	Public Water Supply
PWSS	Public Water Supply System(s)
RWD	Rural Water District(s)
SCC	State Conservation Commission
SDWA	Safe Drinking Water Act
SMCL	Secondary Maximum Contaminant Level
SOC	Synthetic Organic Compounds
SWTR	Surface Water Treatment Rule
T&O	Taste and Odor
THM	Trihalomethanes
USC	University of Southern California
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds
WEF	Water Environment Foundation

Measurements

The abbreviations used for units of measurements are based upon a list of U. S. customary units and the units specified for the International System (SI) by AWWA*. These include:

<u>Measurement</u>	<u>U.S.</u>	<u>S.I.</u>
Linear	inch (in), foot (ft) and mile (mi)	meter (m)
Area	square inch (in ²), square foot (ft ²), acre (ac), and square mile (mi ²)	square meter (m ²) and hectare (ha)
Time	second (sec), minute (min), hour (h), and day (d)	second (s), minute (min), hour (hr), and day (d)
Velocity	feet per second (ft/sec)	meters/sec (m/s)
Volume	gallon (gal) and million gallons (MG)	cubic meter (m ³) and liter (L)
Weight	ounce (oz) and pound (lb)	gram (g)

Other Combined Units

	gallons per minute (gpm)	liters per minute (L/m)
	million gallons per day (mgd)	cubic meters per day (m ³ /d)
	acre-feet (ac-ft)	cubic meter (m ³)
	inches per foot (ipf)	meter per meter (m/m)
	pound-mass per cubic foot (lb/ft ³)	grams per liter (g/L)
	pounds-force per square inch (psi)	pascals (Pa)
Power	horsepower (HP)	Watts (W)
Temperature	Centigrade (°C) Fahrenheit (°F)	Celsius (C)

Preferred SI multiples included:

	<u>Prefix</u>	<u>Symbol</u>
1000000000 = 10 ⁹	giga	G
1000000 = 10 ⁶	mega	M
1000 = 10 ³	kilo	k
0.001 = 10 ⁻³	milli	m
0.000001 = 10 ⁻⁶	micro	μ
0.000000001 = 10 ⁻⁹	nano	n

*Source: AWWA Committee Report, "Final Report on Metric Units and Sizes," JAWWA, Volume 74, No. 1, pgs. 27-33, 1982.